

# NEBRASKA

## WEATHER & CROPS



For Week Ending September 7, 1997

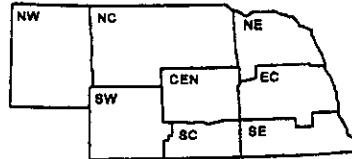
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National Agricultural Statistics Service  
U.S. Department of Agriculture  
and U.S. Department of Commerce  
National Oceanic and Atmospheric Admin.  
National Weather Service



Nebraska Department of Agriculture  
Division of Agr'l. Statistics  
Cooperative Extension Service  
Institute of Agriculture  
and Natural Resources-UN-L

### WEATHER

Temperatures for the week averaged from one to six degrees above normals across the State. Precipitation across the State ranged from a few hundredths of an inch to over five inches in the East Central District.

### GENERAL

Above normal temperatures last week continued to boost crop development toward maturity, according to the Nebraska Agricultural Statistics Service. Rainfall averaged over two inches in the east central while other districts averaged less than half of an inch. Producer activities included preparing equipment for harvest, silage cutting, putting up hay, preparing for fall wheat seeding and moving grain to market.

### CROPS

**Corn** condition rated 2% very poor, 10% poor, 23% fair, 55% good, and 10% excellent. Irrigated corn rated 76% good to excellent, while 44% of the dryland corn was good to excellent. Corn in the dough stage was at 97%, ahead of 95% last year and 94% average. Denting progressed to 61% compared with 52% last year and 60% average. As of Sunday, 3% of acreage had matured, compared with 1% last year and 7% average, with one report of some early seed corn harvest.

**Soybean** condition rated at 3% very poor, 9% poor, 39% fair, 44% good, and 5% excellent. Statewide, 33% of the acreage had turned color, compared with 12% last year and 27% average. As of Sunday, 4% of the acreage was dropping leaves, compared with 1% last year and 7% average.

### CROPS (Cont.)

**Sorghum** condition rated 4% very poor, 13% poor, 39% fair, 41% good, and 3% excellent. The percent of acreage turning color was at 61%, ahead of 42% last year and 46% average. The crop was mature on 1% of the acreage, compared with 0% last year and 4% average.

**Dry bean** condition rated 4% poor, 36% fair, 48% good, and 12% excellent. As of Sunday, 81% of the acreage was turning color, compared with 90% last year. The crop was dropping leaves on 45% of the acreage, compared with 48% last year. Harvest was just beginning with 7% of the acreage harvested, same as last year.

**Alfalfa** condition rated 7% very poor, 20% poor, 37% fair, 35% good and 1% excellent. Third cutting activities were 86% complete, compared with 85% last year and 81% average. Fourth cutting began last week with 5% harvested to date, same as last year.

**Winter wheat** seeding progressed to 8% statewide. This is slightly behind 10% last year and the average of 11%. There were some concerns that high grasshopper concentrations may result in damage to the young crop. Various preventive tactics are being considered, such as, insecticide treatments around borders, higher seeding rate on field edges or delayed planting.

### LIVESTOCK, PASTURE & RANGE

**Pasture and range** condition rated 10% very poor, 22% poor, 32% fair, 35% good, and 1% excellent. Pastures in the South Central District continued to be reported in the poorest condition statewide. Producers were supplemental feeding in many areas of Nebraska.

| FIELD WORK PROGRESS<br>AS OF SEPTEMBER 7, 1997                       | AGRICULTURAL STATISTICS DISTRICTS |     |     |     |     |     |     |     | STATE | LAST<br>WEEK | LAST<br>YEAR | AVER-<br>AGE |
|--|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-------|--------------|--------------|--------------|
|  | NW                                | NC  | NE  | C   | EC  | SW  | SC  | SE  |       |              |              |              |
| % Corn Dough Stage   | 86                                | 97  | 95  | 99  | 99  | 98  | 100 | 99  | 97    | 93           | 95           | 94           |
| % Corn Dented  | 30                                | 57  | 41  | 49  | 72  | 57  | 86  | 85  | 61    | 41           | 52           | 60           |
| % Corn Mature  | 0                                 | 0   | 2   | 2   | 3   | 1   | 7   | 8   | 3     | n/a          | 1            | 7            |
| % Soybeans Turning Color   | n/a                               | 60  | 34  | 38  | 22  | 46  | 31  | 36  | 33    | 10           | 12           | 27           |
| % Soybeans Dropping Leaves   | n/a                               | 1   | 2   | 5   | 2   | 7   | 2   | 10  | 4     | 1            | 1            | 7            |
| % Sorghum Turning Color  | n/a                               | 71  | 47  | 34  | 60  | 37  | 63  | 73  | 61    | 38           | 42           | 46           |
| % Sorghum Mature   | n/a                               | 0   | 9   | 2   | 0   | 0   | 2   | 0   | 1     | n/a          | 0            | 4            |
| % Dry Beans Turning  | 71                                | 82  | 60  | 63  | n/a | 96  | n/a | n/a | 81    | 54           | 90           | n/a          |
| % Dry Beans Dropping Leaves  | 41                                | 43  | 5   | 1   | n/a | 58  | n/a | n/a | 45    | 17           | 48           | n/a          |
| % Dry Beans Harvested  | 2                                 | 0   | 0   | 0   | n/a | 12  | n/a | n/a | 7     | n/a          | 7            | n/a          |
| % Alfalfa Third Cutting  | 52                                | 85  | 74  | 95  | 91  | 98  | 95  | 98  | 86    | 66           | 85           | 81           |
| % Alfalfa Fourth Cutting   | 0                                 | 2   | 5   | 4   | 4   | 9   | 8   | 20  | 5     | n/a          | 5            | n/a          |
| % Wheat Sown   | 13                                | 12  | 0   | 3   | 0   | 6   | 1   | 0   | 8     | 1            | 10           | 11           |
| DAYS SUITABLE AND SOIL MOISTURE CONDITION<br>AS OF SEPTEMBER 5, 1997 |                                   |     |     |     |     |     |     |     |       |              |              |              |
| Days suitable  | 6.4                               | 6.0 | 5.4 | 5.8 | 4.0 | 6.5 | 6.3 | 5.9 | 5.7   | 6.6          | 6.0          |              |
| Topsoil moisture - Very Short  | 0                                 | 1   | 22  | 2   | 1   | 7   | 29  | 52  | 13    | 13           | 1            |              |
| (Percent) - Short  | 19                                | 19  | 30  | 40  | 24  | 44  | 35  | 34  | 29    | 36           | 27           |              |
| - Adequate   | 81                                | 78  | 47  | 57  | 70  | 48  | 33  | 14  | 56    | 49           | 67           |              |
| - Surplus  | 0                                 | 2   | 1   | 1   | 5   | 1   | 3   | 0   | 2     | 2            | 5            |              |
| Subsoil moisture - Very Short  | 2                                 | 2   | 8   | 17  | 7   | 4   | 38  | 44  | 13    | 13           | 0            |              |
| (Percent) - Short  | 21                                | 21  | 55  | 41  | 30  | 47  | 45  | 43  | 37    | 40           | 17           |              |
| - Adequate   | 77                                | 75  | 35  | 41  | 59  | 49  | 17  | 13  | 49    | 45           | 81           |              |
| - Surplus  | 0                                 | 2   | 2   | 1   | 4   | 0   | 0   | 0   | 1     | 2            | 2            |              |

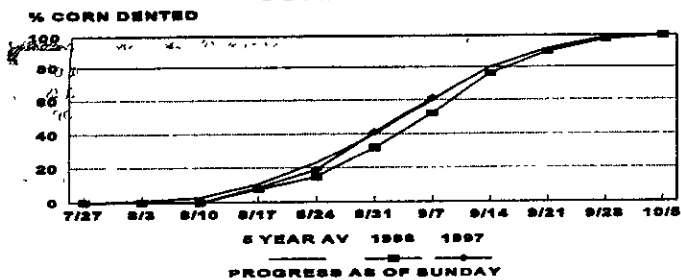
n/a = not available

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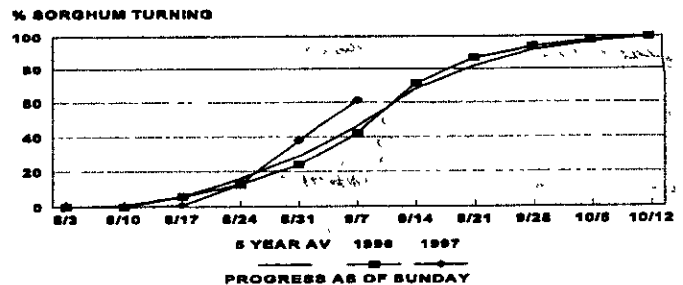
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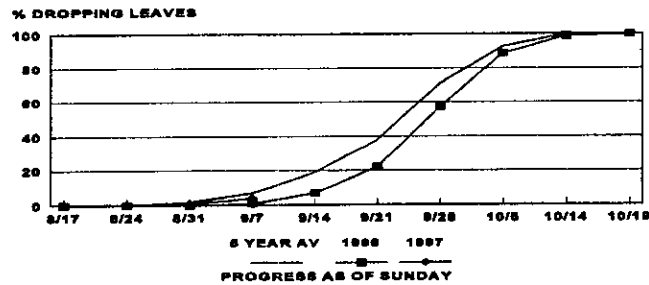
## CORN DENTED



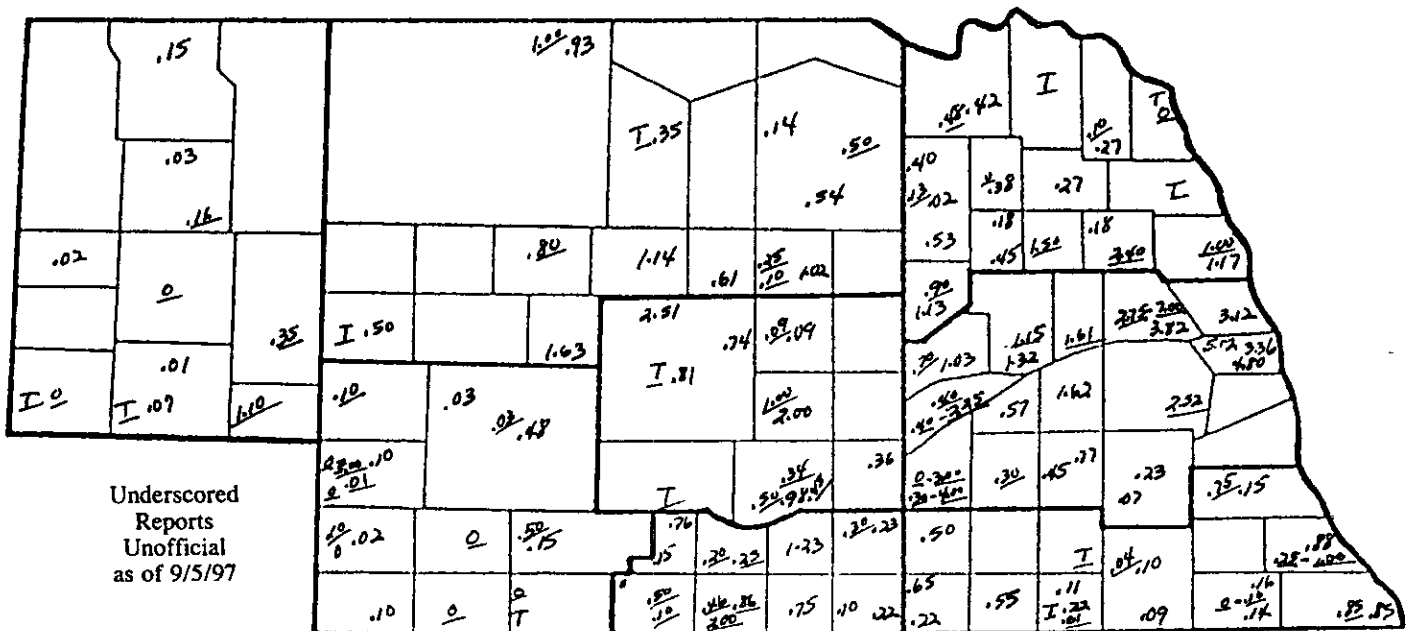
## SORGHUM TURNING



## SOYBEANS DROPPING LEAVES



## PRECIPITATION MAP FOR WEEK ENDING SATURDAY, SEPTEMBER 6, 1997



## PRECIPITATION, APRIL 1 - SEPTEMBER 6, 1997

|                      | NW    | NC    | NE    | CEN   | EC    | SW    | SC    | SE    |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total past week      | .28   | .76   | .42   | 1.16  | 2.01  | .11   | .43   | .36   |
| Total since April 1  | 14.01 | 16.10 | 14.82 | 13.35 | 17.82 | 13.45 | 12.94 | 17.32 |
| Normal since April 1 | 12.16 | 15.14 | 17.05 | 16.68 | 18.58 | 14.07 | 16.68 | 19.12 |
| Total as % of normal | 115%  | 106%  | 87%   | 80%   | 96%   | 96%   | 78%   | 91%   |

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,  
WEEK ENDING SATURDAY, SEPTEMBER 6, 1997

| WEEK ENDING SATURDAY, SEPTEMBER 6, 1997 |              |             |     |      |               |                                       |              |         |        |
|---|--------------|-------------|-----|------|---------------|---------------------------------------|--------------|---------|--------|
| Station                                 |              | Temperature |     |      | Precipitation | Growing Degree Data<br>Since April 15 |              |         |        |
|   |              | Extremes    |     | Mean | Departure     | Total<br>Inches                       | Last<br>Week | Current | Normal |
|   |              | Max         | Min |      |               |                                       |              |         |        |
| NW                                      | Chadron      | 96          | 56  | 75   | ---           | .15                                   | ---          | ---     | ---    |
|   | Scottsbluff  | 90          | 56  | 72   | +6            | .02                                   | 2143         | 2310    | 2271   |
|   | Sidney       | 90          | 56  | 71   | ---           | .07                                   | 2110         | 2272    | 2257   |
| NC                                      | Valentine    | 91          | 52  | 72   | +6            | .93                                   | ---          | ---     | ---    |
|   | Arthur       | ---         | --- | ---  | ---           | ---                                   | 2120         | 2285    | 2449   |
|   | O'Neill      | ---         | --- | ---  | ---           | ---                                   | 2234         | 2393    | 2609   |
| NE                                      | Norfolk      | 92          | 44  | 69   | +1            | .18                                   | ---          | ---     | ---    |
|   | Sioux City   | 93          | 45  | 69   | +1            | T                                     | ---          | ---     | ---    |
|   | Concord      | ---         | --- | ---  | ---           | ---                                   | 2238         | 2392    | 2648   |
|   | Elgin        | ---         | --- | ---  | ---           | ---                                   | 2255         | 2413    | 2640   |
| CEN                                     | West Point   | ---         | --- | ---  | ---           | ---                                   | 2355         | 2508    | 2759   |
|   | Grand Island | 89          | 55  | 71   | +2            | .36                                   | 2346         | 2514    | 2723   |
|   | Ord          | 88          | 50  | 70   | ---           | .09                                   | 2284         | 2445    | 2684   |
|   | Kearney      | ---         | --- | ---  | ---           | ---                                   | 2394         | 2569    | 2702   |
| EC                                      | Lincoln      | 91          | 50  | 73   | +3            | .23                                   | 2560         | 2745    | 2966   |
|   | Omaha        | 88          | 53  | 71   | +4            | 3.36                                  | ---          | ---     | ---    |
|   | Central City | ---         | --- | ---  | ---           | ---                                   | 2330         | 2494    | 2748   |
| SW                                      | Mead         | ---         | --- | ---  | ---           | ---                                   | 2462         | 2635    | 2885   |
|   | Imperial     | 90          | 56  | 72   | ---           | .02                                   | ---          | ---     | ---    |
|   | North Platte | 94          | 54  | 71   | +5            | .48                                   | 2266         | 2431    | 2516   |
|   | McCook       | ---         | --- | ---  | ---           | ---                                   | 2455         | 2644    | 2590   |
| SC                                      | Holdrege     | ---         | --- | ---  | ---           | ---                                   | 2354         | 2536    | 2684   |
|   | Red Cloud    | ---         | --- | ---  | ---           | ---                                   | 2594         | 2784    | 2697   |
| SE                                      | Beatrice     | ---         | --- | ---  | ---           | ---                                   | 2453         | 2621    | 2963   |
|   | Clay Center  | ---         | --- | ---  | ---           | ---                                   | 2388         | 2557    | 2738   |

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.